



Attorney Docket No.: 10010911-1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mahmoud ABDEL-RAHMAN, et al. ✓ Examiner: C. Oda

Serial No.: 09/910,731 ✓ Art Unit: 2858

Filed: July 24, 2001 ✓

For: **ENHANCING THE STABILITY OF ELECTRICAL DISCHARGER**

Box Fee Amendment
Commissioner of Patents
Washington, D.C. 20231

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AMENDMENT AND RESPONSE

Sir:

In response to the August 6, 2002 Office Action, please amend the above-identified application as follows:

In the Drawings:

Please amend Figures 1B and 1C marked in red ink as shown in the attached Drawing Transmittal letter and proposed changes to the drawings.

In the Claims:

Please cancel claims 6 and 19.

Please amend claims 1, 11, and 20 as follows:

1. (Amended) An electronic circuit comprising:

a first electrode for electrical connection to an ionization detector system;
a second electrode for electrical connection to the ionization detector system;
a transformer electrically connected to the first electrode and to the second electrode for creating a spark between the first electrode and the second electrode; and
a conjugated clock input electrically connected to the transformer.

101. (Amended) A method of generating an electrical discharge for an ionization detector system comprising:

providing a first electrode and a second electrode, each electrically connected

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to the ionization system;

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providing a transformer electrically connected to the first electrode and the second electrode;

inputting a DC voltage into the primary portion of the transformer; and